

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01K1/18 H01K1/16 H01K1/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/01601 A (KONINKL PHILIPS ELECTRONICS NV) 3 January 2002 (2002-01-03) cited in the application abstract page 2, line 21 - page 4, line 27; figures 7,4,5	1-7
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 04, 30 April 1997 (1997-04-30) & JP 8 335455 A (USHIO INC), 17 December 1996 (1996-12-17) abstract; figures	1,5
P,A	WO 03/060953 A (KONINKL PHILIPS ELECTRONICS NV) 24 July 2003 (2003-07-24) abstract; figures 3-5	1,5



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

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- \*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&\* document member of the same patent family

Date of the actual completion of the international search

25 August 2004

Date of mailing of the international search report

03/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Lang, T

## INTERNATIONAL SEARCH REPORT

Information on patent family members

onal Application No

IB2004/050951

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0201601	A	03-01-2002	US 6639364 B1	28-10-2003
			CN 1383578 T	04-12-2002
			WO 0201601 A1	03-01-2002
			EP 1228524 A1	07-08-2002
			JP 2004502278 T	22-01-2004
JP 8335455	A	17-12-1996	NONE	
WO 03060953	A	24-07-2003	US 2003122484 A1	03-07-2003
			WO 03060953 A2	24-07-2003